Mountain Weather Forecast

Lake District National Park

Forecast valid from 00:00 on Thursday 10 Feb 2022 until 23:59 on Friday 11 Feb 2022

Forecast Issued on Wednesday 09 Feb 2022 at 16:15

Confidence: High for a showery day Thursday and a mainly dry and bright day Friday but lower with regard to timing of arrival and clearance of rain later Friday and over the weekend.

Headline for Thursday 10 Feb 2022: Cold with sunny spells and wintry showers. Strong westerly winds.

Mountain weather hazards on Thursday 10 Feb 2022

Blizzards No Likelihood	**Heavy persistent snow** No Likelihood	**Storm force winds** No Likelihood
Gales Medium Likelihood	**Severe chill effect** High Likelihood	**Poor visibility** Medium Likelihood
Thunderstorms No Likelihood	**Heavy persistent rain** No Likelihood	**Strong sunlight** No Likelihood

Weather and chance of precipitation at 800m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
Partly cloudy (night)	Partly cloudy (night)	Partly cloudy (night)	Sunny intervals	Light snow showers	Light snow showers	Light snow showers (night)	Partly cloudy (night)
Precipitation probability							
10%	10%	20%	20%	40%	40%	30%	20%

Forecast for Thursday 10 Feb 2022

Weather: Clear or sunny spells, although cloud expected to increase for a time during the late morning and afternoon, with occasional snow showers, these turning to rain or sleet at times on lower slopes. Best of the sunshine across eastern fells.

Chance of cloud-free hill tops above 800m: Around 75% dropping to, especially in west, 40% for a time in the late morning and afternoon.

Low cloud and visibility: Occasional cloud above about 600-750m becoming, especially in west, periods above about 450-600m at times through the late morning and afternoon. Otherwise visibility very good falling to several kilometres in sleet showers and perhaps a kilometre in snow showers.

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Met Office Mountain Weather Forecast

Forecast for Thursday 10 Feb 2022

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	35/44 W	37/45 W	37/46 W	40/50 W	40/52 W	34/44 W	29/36 NW	25/30 NW	18/21 NW
600	28/38 W	27/36 W	30/40 W	32/43 W	33/46 W	27/38 W	22/31 NW	18/25 NW	13/17 W
300	10/28 W	10/29 W	12/30 W	14/34 W	16/37 W	13/31 NW	10/25 NW	7/19 NW	5/13 NW
Valley	11/29 W	14/32 W	13/32 W	14/33 W	16/37 W	13/30 NW	10/24 NW	8/19 NW	5/12 NW

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
900	-3/-13	-4/-14	-4/-14	-3/-14	-3/-13	-2/-11	-2/-11	-3/-11	-4/-11
600	-1/-9	-1/-9	-1/-10	-1/-9	-0/-9	0/-7	-0/-7	-1/-8	-2/-7
300	2/-2	2/-3	1/-3	2/-3	2/-3	3/-2	2/-2	1/-2	0/-2
Valley	4/0	4/-0	4/-1	4/-0	5/0	5/1	4/1	3/0	2/0
Freezing Level*	400m	300m	300m	400m	500m	600m	500m	400m	400m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Gusts around 60mph over ridges and summits through the morning.

Forecast for Friday 11 Feb 2022

Weather: One or two light snow showers around, especially through the morning, but most places dry with clear or sunny spells, the sunshine becoming increasingly hazy through the afternoon as cloud above the summits increases. The cloud thickens through the evening and is expected to bring outbreaks of snow through the late evening, the snow turning increasingly to rain below about 600m.

Maximum wind: Westerly backing southerly or southwesterly 15-20mph, increasing 25-30mph through the late afternoon and evening, gusts around 55mph over ridges and summits by midnight.

Chance of cloud-free hill tops above 800m: Around 75% through the morning improving to around 90% in afternoon, but falling considerably in the west through the late evening.

Low cloud and visibility: Occasional cloud above 600-750m through the morning the only small amounts of cloud below the summits in the afternoon, cloud becoming more persistent above 450-600m in the west through the evening. Otherwise visibility very good falling briefly in any snow showers then to a kilometre or so in evening snow.

Temperature: **Valleys:** Around minus 2 or 3 Celsius at dawn rising to plus 6 or 7 Celsius in the afternoon.
At 800m: Around minus 4 Celsius, rising to minus 1 Celsius later
Freezing level: Around 400m rising to 750m in evening

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Mountain Weather Forecast

Ground Conditions Supplement

Date: Wednesday 9 February 2022. Location: Helvellyn summit at 11:30. Full report: A dry and clear day in the fells with strong westerly winds over high ground. The vast majority of the fells are snow-free up to and including the highest summits, however, snow is still present predominantly above 800m on steep north through east-facing slopes. The freezing level dropped to around 600-700m through the day today and consequently any snow that was encountered varied from being relatively soft to very hard and icy (particularly where it has been compressed by walkers' feet and refrozen). Some ice (verglas) was also present on the rocks across the summit plateau. Swirral Edge can almost (but not quite) be done without setting foot on snow with careful route choice, however, a small band of hard snow needs to be crossed which was very hard and icy today. The exit slopes of Striding Edge hold more snow, and an ice axe and crampons were used to cross it safely today and are recommended for anyone planning these or similar routes in the area. With the summit windchill temperature down to around -11C at times today, warm and waterproof clothing including hats and gloves are all essential. Additional equipment including a map, compass, and headtorch are also essential items for anyone venturing out into the fells. Temperature: minus 1.2C, Maximum wind speed 32.4 mph, Wind chill: minus 6.0C, Average wind speed: 15.1 mph

Issued at: 1615 on Wed 09 Feb 2022

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